

# UNITED STATES PATENT OFFICE.

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## SAFETY-RAZOR.

SPECIFICATION forming part of Letters Patent No. 228,904, dated June 15, 1880.

Application filed May 8, 1880. (Model.)

*To all whom it may concern:*

Be it known that we, FREDERIC KAMPFE and OTTO F. KAMPFE, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Safety-Razors; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Our invention relates to an improvement in safety-razors, the object being to provide a safety-razor which shall be simple and durable in construction, of small first cost, compact in form, and adapted to be used without soiling the fingers of the user; and with these ends in view our invention consists in a safety-razor embodying certain details in construction and combinations of parts, as will hereinafter be described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view, in perspective, of our improved safety-razor. Fig. 2 is a view in side elevation. Fig. 3 is a plan view of the lower side of the device. Fig. 4 is a view in front elevation with the razor removed. Fig. 5 shows detached views of the razor, razor-holder, handle, and holder for sharpening the razor.

A represents the holder, which is made of the form shown in the drawings, consisting of the flat front side, *a*, and curved top and bottom *b c*, and rear side, *d*.

The holder may be square, rectangular, or of any other shape, so long as it accomplishes the result hereinafter set forth, and may be stamped from a single piece of sheet metal, the ends being secured together, as at *e e*.

The front plate, *a*, is provided at its opposite ends with hooks or clips *B*, which serve to retain the razor-blade *C* in proper position, it being kept from vertical displacement by the swinging pivoted catch *D*, which latter is pivoted at *f* to the under side of the top *b*, and provided at its free end with the hook *E*,

which is bent back upon itself, forming a spring-catch, *F*.

The front plate, *a*, is formed with an opening, *g*, at its upper edge, to allow the hook *E* of the pivoted catch to be forced outward over the back of the razor and hold the latter against vertical displacement, the hook being retained in place by the spring-catch *F* engaging with the edge *h* of the top of the holder.

By pressing the spring-catch *F* downward and forcing the pivoted catch within the hollow holder the razor may be readily removed for sharpening.

The lower edge of the front plate, *a*, is formed of a series of bars, *i*, the free ends of which are bent rearwardly, forming horizontal faces *j* on each bar or tooth.

Bottom plate, *c*, is provided with an opening, *G*. A handle, *H*, is furnished with a screw, *K*, by means of which it is detachably secured to the holder.

When the device is not desired for use the handle may be removed and inserted within the holder, allowing the device to be packed in very small compass.

The sharp edge of the razor rests against the grated or toothed edge of the front plate, and as the hair and soap are removed in the operation of shaving such refuse matter will be forced through the opening *G* in the bottom plate, and be retained within the hollow holder, thereby permitting of the use of the device without danger of soiling the fingers of the user.

When the razor needs sharpening it may be removed and inserted in the blade-holder *J*, and then honed and strapped.

Our improved device is simple in its construction, and is very convenient for use.

The horizontal faces on the lower ends of the teeth or bars of the front plate insure a smooth bearing for the plate upon the skin, while the teeth or bars will yield sufficiently to allow the razor to sever the hair without danger of cutting the skin.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—